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NAME INDEX

A

- Aaron, J.-J. Ultraviolet absorption and luminescence spectrophotometry for the analysis of pesticide and herbicide residues and traces, 72.
- Abubaker, M. M., Bark, L. S., Davies, A. K., and Shtewi, F. Z. Stopped-flow method for low levels of hydroxylamine in water, 426.
- , —, — and —. Kinetic method for the determination of trace amounts of copper(II) ion in boiler water, 427.
- Adams, M. J. See Jin, J. Y.
- Al-Jundi, J., Mamas, C., Earwaker, L. G., Randle, K., and West, J. Comparative study of two analytical techniques for the determination of heavy metals in sediments, 153.
- Altria, K. D., and Filbey, S. D. Quantitative determination of sumatriptan by capillary electrophoresis, 363.
- Amirav, A. Receives 3rd Heinrich Emanuel Merck Award, 387.
- Analytical Methods Committee. Evaluation of analytical instrumentation. Part VIII. Instrumentation for gas-liquid chromatography, 296.
- Anderson, N. H. See Scott, A.
- Andrews, D. L. Biomolecular photoabsorption spectroscopy, 244.
- Aojula, H. See Craston, D.
- Arrigan, D. W. M., Glennon, J. D., and Svehla, G. Approaches to electrode modification with hydroxamic acids, 141.
- Ashton, D. S., and Ray, A. Trace analysis of acyclovir esters, 44.
- Atkinson, A. Pinks and blues, 433.

B

- Banks, M. C., Fell, A. F., and McDowall, R. D. Assessment of the performance of a new protein-based phase in the chiral liquid chromatography of drugs, 98.
- Barbara, J. A. J. Bulk testing for infectious diseases, 487.
- Bark, L. S. See Abubaker, M. M.
- Barnard, C. L. R. See McNeill, R.
- Barrett, G. See Lynch, B. M.
- Bartle, K. D. Royal Society of Chemistry Sponsored Awards 1992—Analytical Separation Methods, 323.
- Barwick, I. M., Warwick, P., and Crosby, N. T. Analysis of sulfadiazine in medicated animal feeds, 223.
- Baston, G. M. N., Berry, J. A., and Linklater, C. M. Factors influencing the sorption of radium onto geological materials, 194.
- Battersby, P., Dean, J. R., Hitchen, S. M., Tomlinson, W. R., and Myers, P. Predicting supercritical fluid extraction using computational chemistry, 473.
- Baugh, P. J. See Jenkins, E. H.
- Belakroum, M. See Benmakroha, F.
- Benmakroha, F., Belakroum, M., and McCallum, J. J. Monitoring and control of reactor feed gas using piezoelectric crystal based controller, 133.
- Berchiesi, G. See Castellani, F.
- Bergqvist, P.-A., Strandberg, B., and Rappe, C. Analysis of dioxins and related compounds including chlorinated pesticides and PAH using semipermeable membranes, 404.
- Berry, J. A. See Baston, G. M. N.
- Best, G. New Member of Council, 419.
- Bishop, S. R. Chaos, chemometrics and chemistry: an introduction to chaotic systems, 310.
- Blackler, P. D. See Smith, I. D.

- Blaney, F. Applications of quantum mechanical methods in computational modelling of biomolecules, 127.
- Bloxham, M. J., Hill, S. J., and Worsfold, P. J. Analysis of trace metals in sea-water by inductively coupled plasma mass spectrometry and related techniques, 159.
- Bond, A. M. New understandings gained from chemical and electrochemical investigations of redox reactions of electron transfer metalloproteins and enzymes: relevance to voltammetric (amperometric) biosensors. (Robert Boyle Valedictory Lecture), 218.
- Boyd, D., Shearan, P., Hopkins, J. P., O'Keeffe, M., and Smyth, M. R. Matrix solid-phase dispersion linked to immunoassay techniques for the determination of clenbuterol in bovine liver samples, 156.
- Braun, T. New time-invariant definition of analytical chemistry aimed at improving the scope of *Analytical Abstracts*. (Analytical Viewpoint), 216.
- Brawn, P. New Member of Council, 419.
- Brettnall, A. E., and Cowen, T. Inorganic salts as modifiers in the high-performance liquid chromatography mobile phase used to chromatograph atenolol, 367.
- Brocklehurst, K. G. Towards national measurement accreditation service accreditation, 229.
- Brown, D. J., Cliffe, K. R., and Grimsey, I. M. Sucrose crystal nucleation and growth, 458.
- Brown, J. E. See Manns, J. E.
- See Nicholls, G.
- Brown, M. See Robertson, A. M.
- Brown, M. B., Miller, J. N., Riley, D. P., and Seare, N. J. Novel instrumentation and biomedical applications of very near-infrared fluorescence, 157.
- Bullock, A. R. Receives Royal Society of Chemistry Analytical Chemistry Trust Prize, 126.
- Butt, H.-J. Application of atomic force microscopy to biology, 55.

C

- Caroli, S. Announcement of the QUASIMEME project, 385.
- Castellani, F., Vitali, G., Berchiesi, G., and Giovannetti, R. Ion chromatographic analysis of acetate and formate ions produced by sonolysis of aqueous saturated solutions of sodium hydrogencarbonate. (Analytical Viewpoint), 424.
- Chu, F. See Ekins, R.
- Clark, A. J. Determination of organosulfur compounds and amino acid-mustard conjugates by liquid chromatography with amperometric detection. (Analytical Viewpoint), 355.
- Clark, B. J. See Mitchell, P.
- See Nicholls, G.
- See Scott, A.
- See Shafaati, A.
- See Thompson, M. J.
- Clarke, D. See Craston, D.
- Cliffe, K. R. See Brown, D. J.
- Coleman, S. See Gardner, J. A.
- Colliss, J. S. Analysis of captan in fruits by a magnetic particle based immunoassay, 74.
- Comisarow, M. Royal Society of Chemistry Sponsored Awards 1992—Chemical Analysis and Instrumentation, 323.
- Comyn, J. Surface analysis and adhesive bonding, 27.
- Connah, M. T. Recent developments in the measurement of zeta-potential, 496.
- Cook, M. Robotics: Past, present and future, 165.
- Cooper, P. See Tetler, L. W.
- Cope, M. J. Understanding chirality: how molecules that are

- mirror images of each other can act differently in the body, 498.
- Cowen, T.** See **Brettnall, A. E.**
- Cox, A. P.** See **Karl, T.**
- Cox, R.** Sixth Ronald Belcher Memorial Lecturer, 171, 385.
- Cramers, C. A.** See **Janssen, H.-G.**
- Crane, M.** See **MacLaurin, P.**
- Craston, D., Francis, J., Aojula, H., Clarke, D., and Jepras, R.** Selective particle counting by means of affinity ligands linked to microscopically visible labels, 253.
- Creaser, C. S., and O'Neill, K. E.** Lasers and ion trap mass spectrometry, 246.
- Creaven, B. S.** See **Lynch, B. M.**
- See **O'Leary, M. M.**
- Creighton, J. A.** Surface enhanced Raman spectroscopy, 28.
- Crosby, N. T.** See **Barwick, I. M.**

D

- DaSilva, P. F.** Applications of JCAMP in industry, 204.
- Damidot, D., and Glasser, F. P.** Durability of cement, 191.
- Davies, A. K.** See **Abubaker, M. M.**
- Davies, A. N.** Data representation and transfer standards: a European dimension, 203.
- Davies, M. C.** See **Jackson, D. E.**
- De Bièvre, P.** Isotope dilution mass spectrometry as a primary method of analysis, 328.
- Dean, J. R.** New Member of Council, 420.
- See **Battersby, P.**
- See **Kane, M.**
- See **Khundker, S.**
- See **O'Gram, S. J.**
- See **Smith, K. A.**
- Delves, H. T., Sienliawaska, C. E., and Suchak, B.** Total and bioavailable aluminium in foods and beverages, 358.
- Dilloway, M. R.** See **Sereda, K. M.**
- Double, J. A.** See **Manns, J. E.**
- Dowle, C. J.** See **Kane, M.**
- See **Robertson, A. M.**
- Driscoll, J. N.** See **Hayhurst, J. S.**
- Dyer, A.** Retirement of Professor Stuart Bark, 241.
- Use of zeolites in the treatment of nuclear waste, 190.
- , **Zaafarani, I., and Gilmore, G. R.** Trace elements in natural zeolites, 445.
- Dyson, M.** The Sievers SCD 350 detector, 79.

E

- Earwaker, L. G.** See **Al-Jundi, J.**
- Ebdon, J. R., Lucas, D. M., Soutar, I., and Swanson, L.** Cavity walls in solution: new reagents for luminescence trace analyses in aqueous media?, 431.
- Ebdon, L.** See **Rowland, S.**
- Ekens, R., and Chu, F.** Multianalyte microspot immunoassay, 488.
- Engel, A.** Scanning probe microscopy, 55.
- Euerby, M. R., Johnson, C. M., and Nichols, S. C.** Investigation into the reversed phase high-performance liquid chromatographic behaviour of tipredane metabolites and related substances, 46.
- Evennett, P. J.** Light microscopy: what determines image quality, 227.
- Evens, R.** See **Rowland, S.**

F

- Fairhurst, C. P.** Poisonous exudates of millipedes, 429.
- Farnan, D.** See **Robertson, A. M.**

- Farrington, A. M., and Slater, J. M.** Characterization of polymer membranes using microelectrodes. Part 1. Diffusion-limited/size-exclusion electrodes, 341.
- Farrow, S. G.** See **Gardner, J. A.**
- Fell, A. F.** See **Banks, M. C.**
- See **Furlonger, G. J.**
- See **Lincoln, D.**
- See **Thompson, M. J.**
- Fielden, P. R.** Awarded 21st SAC Silver Medal, 323.
- Filbey, S. D.** See **Altria, K. D.**
- Fogg, A. G.** Awarded 26th Analytical Division Distinguished Service Award, 323.
- Francis, J.** See **Craston, D.**
- Fuginaga, T.** Awarded 8th Robert Boyle Medal in Analytical Chemistry, 323.
- Furlonger, G. J., Fell, A. F., and Kaye, B.** Design and application of chiral liquid chromatography for drug metabolism studies, 94.

G

- Games, D. E.** Awarded Twenty-first SAC Gold Medal, 171, 322.
- Gardner, J. A., Coleman, S., and Farrow, S. G.** Why worry about your analytical methods? (Analytical Viewpoint), 183.
- , —, and —. Charting to success within analytical laboratories. (Analytical Viewpoint), 292.
- Gardner, S. P.** See **Hutchinson, E. G.**
- Gilmore, G. R.** See **Dyer, A.**
- Giovannetti, R.** See **Castellani, F.**
- Glasser, F. P.** See **Damidot, D.**
- Glennon, J. D.** See **Arrigan, D. W. M.**
- See **Manley, K.**
- Goodall, D. M.** See **Survey, M. A.**
- Goodwin, C. J.** Analytical rationalization, 361.
- Goodwin, E.** See **Robertson, A. M.**
- Gough, T.** Smuggling and separation, 251.
- Graham, C. L.** Receives 24th Analytical Division Distinguished Service Award, 385.
- Graselli, J.** Appointed Theophilus Redwood Lecturer for 1994, 171.
- Green, J.** Reflections of SAC '92, 65.
- Greenfield, S.** New Member of Council, 420.
- Greenway, G. M., and Townshend, A.** On-line immobilized chelating agents in flow injection systems, 438.
- Grimsey, I. M.** See **Brown, D. J.**
- Grimwood, P. D., and Higson, S. G.** Developments on wasteform specifications for low-level waste disposal at the British Nuclear Fuels Drigg site, 195.
- Grudpan, K., and Thanasarn, T.** Overhead projector flow injection analysis. (Analytical Viewpoint), 10.
- Guiñón, J. L., and Jaime, A.** Requests for reprints as an assessment parameter of papers published in journals of analytical chemistry. (Analytical Viewpoint), 324.

H

- Hall, A.** See **Warwick, P.**
- Hamada, M. A., Moody, G. J., and Thomas, J. D. R.** Poly(vinyl chloride) matrix membrane ion-selective electrode for the analysis of procaine drug, 146.
- Hanks, S.** See **Manns, J. E.**
- Hansen, E. H.** The current status of analytical chemistry in Denmark. A personal view, 3.
- Hardman, T. C.** See **Sereda, K. M.**
- Harriott, M.** See **Moore, H. M.**
- Harris, S. J.** See **Lynch, B. M.**
- See **O'Connor, K. M.**

- Haw, M. D. *See* Poon, W. C. K.
 Haworth, I. S. Molecular modelling of DNA/ligand major groove complexes, 128.
 Hayhurst, J. S., and Driscoll, J. N. Photoionization detection is 30 years old. The story so far plus 'Son of photoionization detection': far-ultraviolet adsorption, 90.
 Hearmon, R. A. ICT's spectroscopic data system, 199.
 Hider, J. New Member of Council, 421.
 Higson, S. G. *See* Grimwood, P. D.
 Hill, S. J. *See* Bloxham, M. J.
 Hindocha, R. K., Miller, J. N., and Seare, N. J. On-line liquid-liquid extraction with near-infrared fluorescence detection, 129.
 Hitchen, S. M. *See* Battersby, P.
 — *See* Kane, M.
 — *See* Khundker, S.
 Hofmann, M. *See* Spraul, M.
 Holcombe, D. International guide for laboratory accreditation, 252.
 Homans, S. W. Modelling carbohydrate structure, 127.
 Hopkins, J. P. *See* Boyd, D.
 Horne, D. S. Particle sizing and zeta-potential measurements relative to processed milk, 492.
 Howling, R., and Hutchinson, G. Determination of dextromethorphan and its metabolites in human urine using solid-phase extraction and reversed-phase high-performance liquid chromatography, 369.
 Hubbard, R. E. Developments in the application of molecular dynamics, 127.
 Hughes, R. *See* Price, D.
 Hunt, B. J. New directions in gel permeation chromatography, 338.
 Hurst, P. R. Development and application of an assay procedure for hyoscyne in urine using solid-phase extraction and high-performance liquid chromatography with electrochemical detection, 39.
 Hursthouse, A. S. *See* Livens, F. R.
 Hutchinson, E. G., Gardner, S. P., Naylor, D., and Thornton, J. M. Sequences, databases and structures, 128.
 Hutchinson, G. *See* Howling, R.

J

- Jackson, D. E., Davies, M. C., Melia, C. D., Tendler, S. J. B., and Williams, P. M. Biological applications of scanning tunnelling microscopy: integration with computational chemistry, 55.
 Jackson, P. Advantages of combined gas chromatography-mass spectrometry-matrix isolation Fourier transform infrared analysis, 394.
 Jaime, A. *See* Guinón, J. L.
 Jakubowski, N. Obituary of W. Vieth, 215.
 Janssen, H.-G., and Cramers, C. A. Supercritical fluid chromatography; recent developments and new directions, 89.
 Jenkins, E. H., and Baugh, P. J. Analysis of pentachlorophenol using extraction methods, derivatization and gas chromatography-mass spectrometry, 441.
 Jepras, R. *See* Craston, D.
 Jin, J. Y., Adams, M. J., and Sumiga, J. H. Interrogative expert system to interpret infrared spectra using expert system shell, 169.
 Johnson, C. M. *See* Euerby, M. R.
 Jones, A. G. Particle breakage, abnormal growth and agglomeration during industrial crystallization, 456.
 Jones, K. New directions in affinity chromatography, 78.
 Joyce, S. C. *See* Mahers, E. G.
 Julian, K., and Mills, S. L. Image analysis. Its application to the characterization of particle shape, 229.

K

- Kane, M., Dean, J. R., Hitchen, S. M., Dowle, C. J., and Tranter, R. L. Analysis of non-ionic surfactants using solid-phase extraction combined with supercritical fluid extraction and chromatography, 399.
 Karl, T., O'Mahony, P., Cox, A. P., and Roberts, D. J. Quantitative analysis of the pyrolysis products of perfluoro-carbon fluids by gas chromatography and spectroscopic techniques, 262.
 Kay, G. *See* Taylor, C. G.
 Kaye, B. *See* Furlonger, G. J.
 Khokhar, M. Y., and Miller, J. N. Flow injection studies of cyclodextrin-enhanced fluorescence in the amino acid-thiol-*o*-phthalaldehyde reaction, 93.
 Khundker, S., Dean, J. R., and Hitchen, S. M. Extraction of ibuprofen by supercritical carbon dioxide, 472.
 Königstein, J., and Steiner, B. Polarographic behaviour of *N*-oxides of oxazolidines and their analytical application, 245.

L

- Landolt, D., Mathieu, H. J., and Schumacher, R. Surface reactivity and anti-wear adhesives, 31.
 Lant, A. F. *See* Sereda, K. M.
 Lee, D., Moody, G. J., and Thomas, J. D. R. Some parameters of coated-wire electrodes, 140.
 Lincoln, D., and Fell, A. F. Comparison of absorbance ratios and the peak purity parameter for the verification of peak homogeneity in high-performance liquid chromatography, 96.
 Lindon, J. C. *See* Spraul, M.
 Lindsay, S. M. STM of biopolymers: how does it work, and what do the images mean?, 55.
 Linklater, C. M. *See* Baston, G. M. N.
 Littlejohn, D. *See* Robertson, A. M.
 Livens, F. R., and Hursthouse, A. S. Soil and sediment chemistry of the transuranic elements, 196.
 Lucas, D. M. *See* Ebdon, J. R.
 Luque de Castro, M. D. *See* Valcárcel, M.
 Lynch, B. M., Ryan, M. M., Creaven, B. S., Barrett, G., McKervey, M. A., and Harris, S. J. Spectroscopic characterisation of the interaction between calixarene ionophores and metal ions in solution, 150. (Erratum, 501.)
 Lynch, F. *See* McNeill, R.

M

- MacLaurin, P., Worsfold, P. J., Norman, P., and Crane, M. Having led this horse to water can we make it think?, 143.
 Maginn, S. J. Characterizing crystal habit and habit modification, 453.
 Mahers, E. G., and Joyce, S. C. Measurement of foam bubble sizes, 228.
 Mamas, C. *See* Al-Jundi, J.
 Manley, K., Ruangviriyachai, C., and Glennon, J. D. Analysis of the microbial siderophore pseudobactin and its iron(III) complex by high-performance liquid chromatography with amperometric detection, 154.
 Manns, J. E., Hanks, S., Brown, J. E., and Double, J. A. Methods for liquid chromatographic analysis of tamoxifen, tamoxifen metabolites and their geometric isomers in biological samples, 161.
 Marshall, J. *See* McNeill, R.
 — *See* O'Gram, S. J.
 Mathieu, H. J. *See* Landolt, D.
 McCaffery, A. J. Royal Society of Chemistry Sponsored Awards 1992—Spectroscopy, 323.
 McCallum, J. J. *See* Benmakroha, F.

- McDowall, R. D.** Laboratory information management systems and database management issues, 201.
— See **Banks, M. C.**
- McKervey, M. A.** See **Lynch, B. M.**
— See **O'Connor, K. M.**
- McMahon, J.** Microscopy of dispersions, 227.
- McMaster, T. J., and Morris, V. J.** STM analysis of polysaccharides and peptides—molecular conformation, packing and surface ordering of biomolecules, 55.
- McNeill, R., Lynch, F., Barnard, C. L. R., and Marshall, J.** Instrumentation for wavelength scanning in atomic spectrometry, 401.
- Melia, C. D.** See **Jackson, D. E.**
- Miller, J. N.** See **Brown, M. B.**
— See **Hindocha, R. K.**
— See **Khokhar, M. Y.**
— See **Palmer, D. A.**
— See **Summerfield, S.**
- Millington, A.** See **Price, D.**
- Mills, S. L.** See **Julian, K.**
- Milne, R.** Intelligent applications and gas chromatography, 168.
- Milton, M. J. T., and Woods, P. T.** Range-resolved measurements of air pollution using lasers, 484.
- Mitchell, P., and Clark, B. J.** Drug and analogue structural relationships in chiral separations with mobile-phase additives, 101.
- Monaghan, J. J.** Appointed Schools Lecturer for 1994/5, 323.
- Moody, G. J.** See **Lee, D.**
— See **Hamada, M. A.**
- Moore, H. M., Roberts, D., Harriott, M., and Thorburn Burns, D.** Heavy metals in deep-sea halothurians, 259.
- Morden, W., and Wilson, I. D.** Recent advances and applications of thin-layer chromatography and tandem mass spectrometry, 392.
- Morris, V. J.** See **McMaster, T. J.**
- Mullin, J. W.** Crystal size and size distribution: the role of test sieving, 455.
- Murray-Rust, P.** Modelling protein structure, 128.
- Myers, P.** See **Battersby, P.**
- N**
- Nacaprigha, D.** See **Taylor, C. G.**
- Naylor, D.** See **Hutchinson, E. G.**
- Nicholls, G., Clark, B. J., and Brown, J. E.** Optimization of the separation of anthracyclines and their metabolites using reversed-phase liquid chromatography, 103.
—, — and —, Studies on the use of base-deactivated and polymeric stationary phases in reversed-phase high-performance liquid chromatography of anthracyclines and their metabolites, 51.
- Nichols, S. C.** See **Euerby, M. R.**
- Nicholson, J. K.** See **Spraul, M.**
- Norman, P.** See **MacLaurin, P.**
- Norris, J., Preston, B., and Ross, L.** Robotic systems for microwave dissolution of titanium(IV) oxide, 164.
- O**
- O'Connor, K. M., Svehla, G., Harris, S. J., and McKervey, M. A.** Evaluation of calixarene-based ionophores for silver sensors, 137.
- O'Gram, S. J., Dean, J. R., and Marshall, J.** Evaluation of copper powder as a conducting matrix for the glow discharge analysis of non-conductors, 135.
- O'Keefe, M.** See **Boyd, D.**
- O'Leary, M. M., O'Regan, P., and Creaven, B. S.** Investigation into room temperature phosphorescence of aromatic compounds adsorbed on a number of 1% polyacrylic acid-alkali salt surfaces, 475.
— and **Creaven, B. S.** Room-temperature phosphorescence of substituted polyaromatic hydrocarbons on modified substrates, 147.
- O'Mahony, P.** See **Karl, T.**
- O'Neill, K. E.** See **Creaser, C. S.**
- O'Regan, P.** See **O'Leary, M. M.**
- P**
- Palmer, D. A., and Miller, J. N.** Very near-infrared dyes as labels in immunoassays, 144.
- Pimlett, M. F.** See **Taylor, C. G.**
- Pirie, A. D.** See **Poon, W. C. K.**
- Poon, W. C. K., Pirie, A. D., Haw, M. D., and Pusey, P. N.** Aggregation dynamics in a model colloid-polymer mixture, 493.
- Preston, B.** See **Norris, J.**
- Price, C. J.** Characterizing crystal habit and perfection: a calibration strategy, 449.
— Crystallization kinetics: the role of particle characterization, 451.
— Immunoassays in pathology, 490.
- Price, D., Millington, A., and Hughes, R.** Use of thin-layer chromatography with flame-ionization detection to assess oil upgrading during the *in situ* combustion process for enhanced oil recovery, 429.
- Priestner, A. A.** Use of radiolabelled drug substance to investigate mass balance during validation of a high-performance liquid chromatography method for impurities, 374.
- Pungor, E.** Admitted as Honorary Fellow of the Royal Society of Chemistry, 386.
- Pusey, P. N.** See **Poon, W. C. K.**
- R**
- Ramsey, M. H.** Appropriate precision: matching analytical precision specifications to the particular application, 110.
- Randle, K.** See **Al-Jundi, J.**
- Rappe, C.** See **Bergqvist, P.-A.**
- Ray, A.** See **Ashton, D. S.**
- Reed, M. G.** Measurement of fractal dimension, 228.
- Rees, A.** See **Rowland, S.**
- Riley, D. P.** See **Brown, M. B.**
- Roberts, D.** See **Moore, H. M.**
- Roberts, D. J.** See **Karl, T.**
- Robertson, A. M., Farnan, D., Littlejohn, D., Brown, M., Dowle, C. J., and Goodwin, E.** Analysis of an (isodecyl end-capped) propylenediol adipate polyester using coupled high-performance liquid chromatography-Fourier transform infrared spectrometry, 268.
- Robinson, M. L.** See **Thompson, M. J.**
- Rood, A. P.** New British Standard for the determination of particle size distributions using microscope and image analysis methods, 228.
- Ross, L.** See **Norris, J.**
- Rowe, R. C.** See **Suray, M. A.**
- Rowland, S., Evens, R., Ebdon, L., and Rees, A.** Geochemical applications of pyrolysis gas chromatography with an atomic emission detector, 87.
- Ruangviriyachai, C.** See **Manley, K.**
- Ryan, M. M.** See **Lynch, B. M.**
- S**
- Sadler, P. J.** Royal Society of Chemistry Sponsored Awards 1992—Inorganic Biochemistry, 323.

- Searfe, G. B.** Receives Royal Society of Chemistry Analytical Chemistry Trust Prize, 126.
- Schumacher, R.** See Landolt, D.
- Scott, A., Vojvodic, P. R., Anderson, N. H., and Clark, B. J.** Enantiomeric separation of ciprofibrate and analogues using a cellulose-based chiral stationary phase, 365.
- Seare, N. J.** See Brown, M. B.
- See Hindocha, R. K.
- Self, C. H.** Immunometric analysis of drugs and other small molecules, 490.
- Sereda, K. M., Hardman, T. C., Dilloway, M. R., and Lant, A. F.** Development of a method for the detection of angiotensin converting enzyme inhibitors using electron capture-gas chromatography detection, 371.
- Shafaati, A., and Clark, B. J.** Development of a capillary zone electrophoresis method for atenolol and its related impurities in a tablet preparation, 481.
- Shalgosky, H. I.** Awarded 27th Analytical Division Distinguished Service Award, 323.
- Shearan, P.** See Boyd, D.
- Shtewi, F. Z.** See Abubaker, M. M.
- Sieniawaska, C. E.** See Delves, H. T.
- Simpson, C. F.** See Smith, I. D.
- Singh, B.** Using a crystal size distribution sensor to improve the operation and control of batch crystallizers, 495.
- Slater, J. M.** See Farrington, A. M.
- Smart, N. A.** Interlaboratory comparability of accuracy in residue analysis, 75.
- Smith, I. D., Blackler, P. D., and Waters, D. G.** Determination of total and ionic chloride and bromide in a cross-linked quaternary ammonium-substituted polymethacrylate by ion chromatography, 372.
- and Simpson, C. F. Investigations into the separation of enantiomers by gas chromatography on a trifluoroacetylated cyclodextrin stationary phase, 479.
- Smith, K. A., Dean, J. R., and Tomlinson, W. R.** Principal component analysis and its use in tungsten analysis, 471.
- Smyth, M. R.** See Boyd, D.
- Soutar, I.** See Ebdon, J. R.
- Spraul, M., Hofmann, M., Lindon, J. C., Nicholson, J. K., and Wilson, I. D.** Liquid chromatography coupled with high-field proton nuclear magnetic resonance spectroscopy: current status and future prospects, 390.
- Steadman, M.** Scanning tunnelling microscopy of proteins, 55.
- Steiner, B.** See Königstein, B.
- Stephen, S. C.** Applications of trace metals analysis at ICI Specialities Research Centre, 440.
- Stock, N.** Direct non-destructive colour measurement of pharmaceuticals, 41.
- Strandberg, B.** See Bergqvist, P.-A.
- Suchak, B.** See Delves, H. T.
- Sumiga, J. H.** See Jin, J. Y.
- Summerfield, S., and Miller, J. N.** Multi-channel detection and very near-infrared fluorescence, 131.
- Survay, M. A., Goodall, D. M., Wren, S. A. C., and Rowe, R. C.** Effects of pH and buffer concentration on the separation of oligoglycines by capillary electrophoresis, 477.
- Svehla, G.** See Arrigan, D. W. M.
- See O'Connor, K. M.
- Swanson, L.** See Ebdon, J. R.
- T**
- Taylor, C. G., Kay, G., Nacapracha, D., and Pimlett, M. F.** Trapping of radioiodine on charcoal: performance and particle size, 428.
- Tena, M. T.** See Valcárcel, M.
- Tendler, S. J. B.** See Jackson, D. E.
- Tetler, L. W., and Cooper, P.** Evaluation of capillary electrophoresis: continuous flow fast atom bombardment interfaces, 397.
- Thanasarn, T.** See Grudpan, K.
- Thomas, J. D. R.** Bridges in analytical chemistry. (Retiring President's Address), 35.
- Euroanalysis VIII: European Conference on Analytical Chemistry, 243.
- See Lee, D.
- See Hamada, M. A.
- Thompson, M. J., Clark, B. J., Fell, A. F., and Robinson, M. L.** Liquid chromatographic studies on the potential degradation of preservatives in formulated drug products, 106.
- Thorburn Burns, D.** Awarded Twentieth SAC Gold Medal, 171, 322.
- London chemists and chemistry, prior to the formation of the Chemical Society in 1841, 334.
- Precursors to and evolution of elemental organic tube combustion analysis over the last two hundred years, 272.
- See Hutchinson, E. G.
- See Moore, H. M.
- Tipping, E.** Modelling of cation binding by natural organic matter in soils and waters, 186.
- Tomlin, A. S.** From feedback to chaos in chemical systems, 307.
- Tomlinson, W. R.** See Battersby, P.
- See Smith, K. A.
- Townshend, A.** See Greenway, G. M.
- Tran-Minh, C.** Biosensors for the analysis of pesticide residues, 73.
- Tranter, R. L.** See Kane, M.
- Tully, S. J.** See Tytler, N. B.
- Tytler, N. B., and Tully, S. J.** The who, what, why and how of waste analysis, 69.
- U**
- Uden, P. C.** Element specific chromatographic detection for trace inorganic analysis, 405.
- V**
- Valcárcel, M., Luque de Castro, M. D., and Tena, M. T.** Preliminary operations: a pending goal of today's analytical chemistry. (Analytical Viewpoint), 276.
- Vernon, F., and Wani, C. D.** Preconcentration methods for determination of copper, cadmium, lead and zinc in surface waters: a comparative study, 442.
- Vieth, W.** Obituary, 215.
- Vinter, J. G.** The molecular modelling contribution to drug discovery in the pharmaceutical industry, 127.
- Vitali, G.** See Castellani, F.
- Vojvodic, P. R.** See Scott, A.
- W**
- Walker, R. F.** EURACHEM workshop on comparability and traceability (VAM Viewpoint), 67.
- European Community measurement and testing programme, 255.
- Proficiency testing: how laboratories measure up to the competition, 257.
- Wani, C. D.** See Vernon, F.
- Warr, W. A.** Spectral databases: a review, 200.
- Warwick, P., and Hall, A.** Chemistry (and physics) of radionuclide migration through the geosphere, 192.
- See Barwick, I. M.
- Waters, D. G.** See Smith, I. D.
- Wedd, M. W.** Particle sizing (on-line) in crystallization, 447.

West, J. See **Al-Jundi, J.**

White, S. Determination of vitamins K1, K2 (MK-4) and K3 in animal feeds by high-performance liquid chromatography, 266.

Whitehead, J. Receives 25th Analytical Division Distinguished Service Award, 385.

Wild, R. K. Surface analysis in an industrial environment, 19.

Wilkins, J. P. G. Determination of residues of the insecticide diflubenzuron in foodstuffs using liquid chromatography-thermospray mass spectrometry and identification of some natural components found in chillies, 396.

Willett, P. Searching three-dimensional chemical structure databases: current status and future trends, 202.

Williams, A. Measurement uncertainty in chemical analysis, 248.

Williams, P. M. See **Jackson, D. E.**

Wilson, I. D. See **Morden, W.**

— See **Spraul, M.**

Woodget, B. W. New Member of Council, 421.

Woods, P. T. See **Milton, M. J. T.**

Worsfold, P. J. See **Bloxham, M. J.**

— See **MacLaurin, P.**

Wren, S. A. C. See **Survay, M. A.**

Y

Yarwood, J. Fourier transform infrared reflection spectroscopy for surface analysis, 13.

York, P. Phase-characterizing polymorphs and solvates, 452.

Young, R. A. Editorial, 289, 417.

— **Euroanalysis VIII**, 417.

Z

Zaafarany, I. See **Dyer, A.**

SUBJECT INDEX

A

- Accuracy:** Measurement uncertainty in chemical analysis. Williams, 248.
- Acetate ions:** Ion chromatographic analysis of acetate and formate ions produced by sonolysis of aqueous saturated solutions of sodium hydrogencarbonate (Analytical Viewpoint). Castellani, Vitali, Berchiesi and Giovannetti, 424.
- Acyclovir:** Trace analysis of acyclovir esters. Ashton and Ray, 44.
- Adhesion:** Surface analysis and adhesive bonding. Comyn, 27.
- Aerosols:** Establishment of an infrastructure for the measurement of aerosols and particulates in the gas phase (VAM Viewpoint), 422.
- Affinity chromatography:** See **Chromatography, affinity**.
- Air pollution:** See **Pollution**.
- Aluminium:** Total and bioavailable aluminium in foods and beverages. Delves, Sieniawaska and Suchak, 358.
- Analytical Abstracts:** New time-invariant definition of analytical chemistry aimed at improving the scope of *Analytical Abstracts* (Analytical Viewpoint). Braun, 216.
- Analytical chemistry:** Analytical chemistry and the 21st century (VAM Viewpoint), 242.
- Bridges in analytical chemistry. (Retiring President's Address.) Thomas, 35.
- The current status of analytical chemistry in Denmark. A personal view. Hansen, 3.
- Euroanalysis VIII. Young, 417.
- New time-invariant definition of analytical chemistry aimed at improving the scope of *Analytical Abstracts* (Analytical Viewpoint). Braun, 216.
- Preliminary operations: a pending goal of today's analytical chemistry (Analytical Viewpoint). Valcárcel, Luque de Castro and Tena, 276.
- Requests for reprints as an assessment parameter of papers published in journals of analytical chemistry (Analytical Viewpoint). Guifón and Jaime, 324.
- Why worry about your analytical methods (Analytical Viewpoint). Gardner, Coleman and Farrow, 183.
- Analytical Division:** 21st AGM, 213.
- Atomic Spectroscopy Group. 28th AGM, 213.
- Automatic Methods Group. 27th AGM, 182.
- Chromatography and Electrophoresis Group. 28th AGM, 2.
- Distinguished Service Award, 24th—C. L. Graham, 385.
- Distinguished Service Award, 25th—J. Whitehead, 385.
- Distinguished Service Award, 26th—A. G. Fogg, 323.
- Distinguished Service Award, 27th—H. I. Shalgosky, 323.
- East Anglia Region. 25th AGM, 67.
- Electroanalytical Group. AGM, 322.
- Gold Medal, 20th. Awarded to D. Thorburn Burns, 171, 322.
- Gold Medal, 21st. Awarded to D. E. Games, 171, 322.
- Joint Pharmaceutical Analysis Group. 23rd AGM, 322.
- Micro and Chemical Methods Group. 49th AGM, 354.
- Midlands Region. 38th AGM, 182.
- Molecular Spectroscopy Group. 6th AGM, 2.
- North East Region. 27th AGM, 241.
- North West Region. 68th AGM, 241.
- Particle Characterisation Group. 27th AGM, 182.
- Radiochemical Methods Group. 26th AGM, 125.
- Retiring President's Address, 35.
- Robert Boyle Medal, 8th. Awarded to T. Fuginaga, 323.
- Ronald Belcher Memorial Lecturer—R. Cox, 171, 385.
- Schools Lecturer 1994/5—J. J. Monaghan, 323.
- Scottish Region. 58th AGM, 182.

- Silver Medal, 21st—P. R. Fielden, 323.
- Theophilus Redwood Lecturer for 1994—J. Graselli, 171.
- Thermal Methods Group. 28th AGM, 67.
- Analytical Viewpoint:** 10, 183, 216, 276, 292, 324, 355, 424.
- Animal feeds:** Analysis of sulfadimidine in medicated animal feeds. Barwick, Warwick and Crosby, 233.
- Determination of vitamins K1, K2 (MK-4) and K3 in animal feeds by high-performance liquid chromatography. White, 266.
- Anthracyclines:** Optimization of the separation of anthracyclines and their metabolites using reversed-phase liquid chromatography. Nicholls, Clark and Brown, 103.
- Studies on the use of base-deactivated and polymeric stationary phases in reversed-phase high-performance liquid chromatography of anthracyclines and their metabolites. Nicholls, Clark and Brown, 51.
- Atenolol:** Development of a capillary zone electrophoresis method for atenolol and its related impurities in a tablet preparation. Shafaati and Clark, 481.
- Inorganic salts as modifiers in the high-performance liquid chromatography mobile phase used to chromatograph atenolol. Bretnall and Cowen, 367.

B

- Beverages:** Total and bioavailable aluminium in foods and beverages. Delves, Sieniawaska and Suchak, 358.
- Biochemical analysis:** Application of atomic force microscopy to biology. Butt, 55.
- Biological applications of scanning tunnelling microscopy: integration with computational chemistry. Jackson, Davies, Melia, Tendler and Williams, 55.
- Immunometric analysis of drugs and other small molecules. Self, 490.
- Novel instrumentation and biomedical applications of very near-infrared fluorescence. Brown, Miller, Riley and Seare, 157.
- Scanning tunnelling microscopy of proteins. Steadman, 55.
- Scanning probe microscopy. Engel, 55.
- STM analysis of polysaccharides and peptides—molecular conformation, packing and surface ordering of biomolecules. McMaster and Morris, 55.
- STM of biopolymers: how does it work, and what do the images mean. Lindsay, 55.
- Biocompatibility:** Reference materials and validated methods for evaluating biocompatibility (VAM Viewpoint), 290.
- Biological fluids:** Development and application of an assay procedure for hyoscyne in urine using solid-phase extraction and high-performance liquid chromatography with electrochemical detection. Hurst, 39.
- Biological materials:** Matrix solid-phase dispersion linked to immunoassay techniques for the determination of clenbuterol in bovine liver samples. Boyd, Shearan, Hopkins, O'Keefe and Smyth, 156.
- Methods for liquid chromatographic analysis of tamoxifen, tamoxifen metabolites and their geometric isomers in biological samples. Manns, Hanks, Brown and Double, 161.
- Biomolecules, modelling:** Applications of quantum mechanical methods in computational modelling of biomolecules. Blaney, 127.
- Developments in the application of molecular dynamics. Hubbard, 127.
- Modelling carbohydrate structure. Homans, 127.
- Modelling protein structure. Murray-Rust, 128.
- Molecular modelling of DNA/ligand major groove complexes. Haworth, 128.

- Sequences, databases and structures. Hutchinson, Gardner, Naylor and Thornton, 128.
- The molecular modelling contribution to drug discovery in the pharmaceutical industry. Vinter, 127.
- Biopolymers:** STM of biopolymers: how does it work, and what do the images mean? Lindsay, 55.
- Biosensors:** Biosensors for the analysis of pesticide residues. Tran-Minh, 73.
- New understandings gained from chemical and electrochemical investigations of redox reactions of electron transfer metalloproteins and enzymes: relevance to voltammetric (amperometric) biosensors. Bond, 218.
- Boiler water:** See **Water**.
- Bonding, adhesive:** See **Adhesion**. **British Standards:** 320.
- Bromide:** Determination of total and ionic chloride and bromide in a cross-linked quaternary ammonium-substituted polymethacrylate by ion chromatography. Smith, Blackler and Waters, 372.

C

- Cadmium:** Preconcentration methods for determination of copper, cadmium, lead and zinc in surface waters: a comparative study. Vernon and Wani, 442.
- Calixarenes:** Evaluation of calixarene-based ionophores for silver sensors. O'Connor, Svehla, Harris and McKervey, 137.
- Spectroscopic characterization of the interaction between calixarene ionophores and metal ions in solution. Lynch, Ryan, Creaven, Barrett, McKervey and Harris, 150 (Erratum 501).
- Capillary electrophoresis:** See **Electrophoresis**.
- Captan:** Analysis of captan in fruits by a magnetic particle based immunoassay. Colliss, 74.
- Cement:** Durability of cement. Damidot and Glasser, 191.
- Charcoal:** Trapping of radioiodine on charcoal: performance and particle size. Taylor, Kay, Nacapricha and Pimlett, 428.
- Charts, uses of:** Charting to success within analytical laboratories (Analytical Viewpoint). Gardner, Coleman and Farrow, 292.
- Chelating agents:** On-line immobilized chelating agents in flow injection systems. Greenway and Townshend, 438.
- Chemical Society, The:** London chemists and chemistry, prior to the formation of the Chemical Society in 1841. Thorburn Burns, 334.
- Chemiluminescence:** The Sievers SCD 350 detector. Dyson, 79.
- Chemometrics:** Chaos, chemometrics and chemistry: an introduction to chaotic systems. Bishop, 310.
- From feedback to chaos in chemical systems. Tomlin, 307.
- Intelligent applications and gas chromatography. Milne, 168.
- Interrogative expert system to interpret infrared spectra using expert system shell. Jin, Adams and Sumiga, 169.
- Chirality:** Assessment of the performance of a new protein-based phase in the chiral liquid chromatography of drugs. Banks, Fell and McDowall, 98.
- Design and application of chiral liquid chromatography for drug metabolism studies. Furlonger, Fell and Kaye, 94.
- Drug and analogue structural relationships in chiral separations with mobile-phase additives. Mitchell and Clark, 101.
- Understanding chirality: how molecules that are mirror images of each other can act differently in the body. Cope, 498.
- Chloride:** Determination of total and ionic chloride and bromide in a cross-linked quaternary ammonium-substituted polymethacrylate by ion chromatography. Smith, Blackler and Waters, 372.
- Chromatography, affinity:** New directions in affinity chromatography. Jones, 78.
- Chromatography, gas:** Advantages of combined gas chromatography-mass spectrometry-matrix isolation Fourier transform infrared analysis. Jackson, 394.
- Analysis of pentachlorophenol using extraction methods, derivatization and gas chromatography-mass spectrometry. Jenkins and Baugh, 441.
- Development of a method for the detection of angiotensin converting enzyme inhibitors using electron capture-gas chromatography detection. Sereda, Hardman, Dilloway and Lant, 371.
- Element specific chromatographic detection for trace inorganic analysis. Uden, 405.
- Evaluation of analytical instrumentation. Part VIII. Instrumentation for gas-liquid chromatography. Analytical Methods Committee, 296.
- Geochemical applications of pyrolysis gas chromatography with an atomic emission detector. Rowland, Evens, Ebdon and Rees, 87.
- Intelligent applications and gas chromatography. Milne, 168.
- Investigations into the separation of enantiomers by gas chromatography on a trifluoroacetylated cyclodextrin stationary phase. Smith and Simpson, 479.
- Quantitative analysis of the pyrolysis products of perfluorocarbon fluids by gas chromatography and spectroscopic techniques. Karl, O'Mahoney, Cox and Roberts, 262.
- The Sievers SCD 350 detector. Dyson, 79.
- Chromatography, gel permeation:** New directions in gel permeation chromatography. Hunt, 338.
- Chromatography, HPLC:** Analysis of an (isodecyl end-capped) propylenediol adipate polyester using coupled high-performance liquid chromatography-Fourier transform infrared spectrometry. Robertson, Farnan, Littlejohn, Brown, Dowle and Goodwin, 268.
- Analysis of the microbial siderophore pseudobactin and its iron(II) complex by high-performance liquid chromatography with amperometric detection. Manley, Ruangviriyachai and Glennon, 154.
- Assessment of the performance of a new protein-based phase in the chiral liquid chromatography of drugs. Banks, Fell and McDowall, 98.
- Comparison of absorbance ratios and the peak purity parameter for the verification of peak homogeneity in high-performance liquid chromatography. Lincoln and Fell, 96.
- Design and application of chiral liquid chromatography for drug metabolism studies. Furlonger, Fell and Kaye, 94.
- Determination of vitamins K1, K2 (MK-4) and K3 in animal feeds by high-performance liquid chromatography. White, 266.
- Determination of dextromethorphan and its metabolites in human urine using solid-phase extraction and reversed-phase high-performance liquid chromatography. Howling and Hutchinson, 369.
- Determination of residues of the insecticide diflubenzuron in foodstuffs using liquid chromatography-thermospray mass spectrometry and identification of some natural components found in chillies. Wilkins, 396.
- Determination of organosulfur compounds and amino acid-Mustard conjugates by liquid chromatography with amperometric detection (Analytical Viewpoint). Clark, 355.
- Development and application of an assay procedure for hyoscyne in urine using solid-phase extraction and high-performance liquid chromatography with electrochemical detection. Hurst, 39.
- Drug and analogue structural relationships in chiral separations with mobile-phase additives. Mitchell and Clark, 101.

- Element specific chromatographic detection for trace inorganic analysis. Uden, 405.
- Enantiomeric separation of ciprofibrate and analogues using a cellulose-based chiral stationary phase. Scott, Vojvodic, Anderson and Clark, 365.
- Inorganic salts as modifiers in the high-performance liquid chromatography mobile phase used to chromatograph atenolol. Bretnall and Cowen, 367.
- Investigation into the reversed phase high-performance liquid chromatographic behaviour of tipredane metabolites and related substances. Euerby, Johnson and Nichols, 46.
- Liquid chromatography coupled with high-field proton nuclear magnetic resonance spectroscopy: current status and future prospects. Spraul, Hofmann, Lindon, Nicholson and Wilson, 390.
- Liquid chromatographic studies on the potential degradation of preservatives in formulated drug products. Thompson, Clark, Fell and Robinson, 106.
- Methods for liquid chromatographic analysis of tamoxifen, tamoxifen metabolites and their geometric isomers in biological samples. Manns, Hanks, Brown and Double, 161.
- Optimization of the separation of anthracyclines and their metabolites using reversed-phase liquid chromatography. Nicholls, Clark and Brown, 103.
- Studies on the use of base-deactivated and polymeric stationary phases in reversed-phase high-performance liquid chromatography of anthracyclines and their metabolites. Nicholls, Clark and Brown, 51.
- The Sievers SCD 350 detector. Dyson, 79.
- Use of a radiolabelled drug substance to investigate mass balance during validation of a high-performance liquid chromatography method for impurities. Priestner, 374.
- Chromatography, ion:** Determination of total and ionic chloride and bromide in a cross-linked quaternary ammonium-substituted polymethacrylate by ion chromatography. Smith, Blackler and Waters, 372.
- Ion chromatographic analysis of acetate and formate ions produced by sonolysis of aqueous saturated solutions of sodium hydrogencarbonate (Analytical Viewpoint). Castellani, Vitali, Berchiesi and Giovannetti, 424.
- Chromatography, supercritical fluid:** Analysis of non-ionic surfactants using solid-phase extraction combined with supercritical fluid extraction and chromatography. Kane, Dean, Hitchen, Dowle and Tranter, 399.
- Supercritical fluid chromatography: recent developments and new directions. Janssen and Cramers, 89.
- The Sievers SCD 350 detector. Dyson, 79.
- Chromatography, thin-layer:** Recent advances and applications of thin-layer chromatography and tandem mass spectrometry. Morden and Wilson, 392.
- Use of thin-layer chromatography with flame-ionization detection to assess oil upgrading during the *in situ* combustion process for enhanced oil recovery. Price, Millington and Hughes, 429.
- Ciprofibrate:** Enantiomeric separation of ciprofibrate and analogues using a cellulose-based chiral stationary phase. Scott, Vojvodic, Anderson and Clark, 365.
- Clenbuterol:** Matrix solid-phase dispersion linked to immunoassay techniques for the determination of clenbuterol in bovine liver samples. Boyd, Shearan, Hopkins, O'Keefe and Smyth, 156.
- Coated-wire electrodes:** See **Electrodes, coated-wire.**
- Copper, powder:** Evaluation of copper powder as a conducting matrix for the glow discharge analysis of non-conductors. O'Gram, Dean and Marshall, 135.
- Copper:** Kinetic method for the determination of trace amounts of copper(II) ion in boiler water. Abubaker, Bark, Davies and Shtewi, 426.
- Preconcentration methods for determination of copper, cadmium, lead and zinc in surface waters: a comparative study. Vernon and Wani, 442.
- Correspondence:** 291.
- Crystallization:** Characterizing crystal habit and perfection: a calibration strategy. Price, 449.
- Characterizing crystal habit and habit modification. Maginn, 453.
- Crystallization kinetics: the role of particle characterization. Price, 541.
- Crystal size and size distribution: the role of test sieving. Mullin, 455.
- Particle sizing (on-line) in crystallization. Wedd, 447.
- Particle breakage, abnormal growth and agglomeration during industrial crystallization. Jones, 456.
- Phase-characterizing polymorphs and solvates. York, 452.
- Sucrose crystal nucleation and growth. Brown, Cliffe and Grimsey, 458.
- Using a crystal size distribution sensor to improve the operation and control of batch crystallizers. Singh, 495.
- Cyclodextrins:** Flow injection studies of cyclodextrin-enhanced fluorescence in the amino acid-thiol-*o*-phthalaldehyde reaction. Khokhar and Miller, 93.

D

- Databases:** Data representation and transfer standards: a European dimension. Davies, 203.
- Laboratory information management systems and database management issues. McDowall, 201.
- Searching three-dimensional chemical structure databases: current status and future trends. Willett, 202.
- Data, spectral:** ICT's spectroscopic data system. Hearmon, 199.
- Spectral databases: a review. Warr, 200.
- Data transfer standards:** Applications of JCAMP in industry. DaSilva, 204.
- Data representation and transfer standards: a European dimension. Davies, 203.
- Detection, radiochemical:** Use of a radiolabelled drug substance to investigate mass balance during validation of a high-performance liquid chromatography method for impurities. Priestner, 374.
- Detector, far-ultraviolet adsorption:** Photoionization detection is 30 years old. The story so far plus 'Son of photoionization detection': far-ultraviolet adsorption. Hayhurst and Driscoll, 90.
- Detector, multi-channel:** Multi-channel detection and very near-infrared fluorescence. Summerfield and Miller, 131.
- Detector, photodiode array:** Having led this horse to water can we make it think? MacLaurin, Worsfold, Norman and Crane, 143.
- Detector, photoionization:** Photoionization detection is 30 years old. The story so far plus 'Son of photoionization detection': far-ultraviolet adsorption. Hayhurst and Driscoll, 90.
- Dextramethorphan:** Determination of dextramethorphan and its metabolites in human urine using solid-phase extraction and reversed-phase high-performance liquid chromatography. Howling and Hutchinson, 369.
- Diffubenzuron:** Determination of residues of the insecticide diflubenzuron in foodstuffs using liquid chromatography-thermospray mass spectrometry and identification of some natural components found in chillies. Wilkins, 396.
- Dioxins:** Analysis of dioxins and related compounds including chlorinated pesticides and PAH using semipermeable membranes. Bergqvist, Strandberg and Rappe, 404.
- Diplopoda:** See **Millipede.**
- Diseases, infectious:** Bulk testing for infectious diseases. Barbara, 487.
- Dispersion, matrix solid-phase:** Matrix solid-phase dispersion linked to immunoassay techniques for the determination

of clenbuterol in bovine liver samples. Boyd, Shearan, Hopkins, O'Keefe and Smyth, 156.

Drug metabolism: See *Metabolism, drug*.

E

Editorial: 289, 417.

Education and training: Education and training of analytical chemists (VAM Viewpoint), 181.

Electroanalytical chemistry: Characterization of polymer membranes using microelectrodes. Part 1. Diffusion-limited/size-exclusion electrodes. Farrington and Slater, 341.

Electrode, coated-wire: Some parameters of coated-wire electrodes. Lee, Moody and Thomas, 140.

Electrode, ion-selective: Poly(vinyl chloride) matrix membrane ion-selective electrode for the analysis of procaine drug. Hamada, Moody and Thomas, 146.

Electrophoresis: Development of a capillary zone electrophoresis method for atenolol and its related impurities in a tablet preparation. Shafaati and Clark, 481.

Effects of pH and buffer concentration on the separation of oligoglycines by capillary electrophoresis. Suray, Goodall, Wren and Rowe, 477.

Evaluation of capillary electrophoresis: continuous flow fast atom bombardment interfaces. Tetler and Cooper, 397.

Quantitative determination of sumatriptan by capillary electrophoresis. Altria and Filbey, 363.

Elements, trace: Trace elements in natural zeolites. Dyer, Zaarfarany and Gilmore, 445.

Elements, transuranic: Soil and sediment chemistry of the transuranic elements. Livens and Hursthouse, 196.

Environmental analysis: Analysis of captan in fruits by a magnetic particle based immunoassay. Colliss, 74.

Biosensors for the analysis of pesticide residues. Tran-Minh, 73.

Range-resolved measurements of air pollution using lasers. Milton and Woods, 484.

The who, what, why and how of waste analysis. Tytler and Tully, 69.

Ultraviolet absorption and luminescence spectrophotometry for the analysis of pesticide and herbicide residues and traces. Aaron, 72.

Environmental chemistry: Chemistry (and physics) of radionuclide migration through the geosphere. Warwick and Hall, 192.

Developments on wasteform specifications for low-level waste disposal at the British Nuclear Fuels Drigg site. Grimwood and Higson, 195.

Durability of cement. Damidot and Glasser, 191.

Factors influencing the sorption of radium onto geological materials. Baston, Berry and Hall, 194. Modelling of cation binding by natural organic matter in soils and waters. Tipping, 186.

Soil and sediment chemistry of the transuranic elements. Livens and Hursthouse, 196.

Use of zeolites in the treatment of nuclear waste. Dyer, 190.

Equipment news: 57, 113, 172, 207, 235, 280, 315, 344, 378, 409, 460, 503.

Erratum: 386, 501.

Euroanalysis: Euroanalysis VIII: European conference on analytical chemistry. Thomas, 243.

Euroanalysis VIII. Young, 417.

European Community: European Community measurement and testing programme. Walker, 255.

Expert systems: Intelligent applications and gas chromatography. Milne, 168.

Interrogative expert system to interpret infrared spectra using expert system shell. Jin, Adams and Sumiga, 169.

Extraction, liquid-liquid: On-line liquid-liquid extraction

with very near-infrared fluorescence detection. Hindocha, Miller and Seare, 129.

Extraction, solid-phase: Analysis of non-ionic surfactants using solid-phase extraction combined with supercritical fluid extraction and chromatography. Kane, Dean, Hitchen, Dowle and Tranter, 399.

Extraction, supercritical fluid: Analysis of non-ionic surfactants using solid-phase extraction combined with supercritical fluid extraction and chromatography. Kane, Dean, Hitchen, Dowle and Tranter, 399.

Extraction of ibuprofen by supercritical carbon dioxide. Khundker, Dean and Hitchen, 472.

Predicting supercritical fluid extraction using computational chemistry. Battersby, Dean, Hitchen, Tomlinson and Myers, 473.

F

FIA: See *Flow injection analysis*.

Flow injection analysis: Flow injection studies of cyclodextrin-enhanced fluorescence in the amino acid-thiol-o-phthalaldehyde reaction. Khokhar and Miller, 93.

Having led this horse to water can we make it think? MacLaurin, Worsfold, Norman and Crane, 143.

On-line immobilized chelating agents in flow injection systems. Greenway and Townshend, 438.

Overhead projector flow injection analysis (Analytical Viewpoint). Grudpan and Thanasarn, 10.

Very near-infrared dyes as labels in immunoassays. Palmer and Miller, 144.

Fluorescence, near-infrared: Multi-channel detection and very near-infrared fluorescence. Summerfield and Miller, 131.

Novel instrumentation and biomedical applications of very near-infrared fluorescence. Brown, Miller, Riley and Seare, 157.

On-line liquid-liquid extraction with very near-infrared fluorescence detection. Hindocha, Miller and Seare, 129.

Very near-infrared dyes as labels in immunoassays. Palmer and Miller, 144.

Food: Analysis of captan in fruits by a magnetic particle based immunoassay. Colliss, 74.

Determination of residues of the insecticide diflubenzuron in foodstuffs using liquid chromatography-thermospray mass spectrometry and identification of some natural components found in chillies. Wilkins, 396.

Total and bioavailable aluminium in foods and beverages. Delves, Sieniawaska and Suchak, 358.

Formate ions: Ion chromatographic analysis of acetate and formate ions produced by sonolysis of aqueous saturated solutions of sodium hydrogencarbonate (Analytical Viewpoint). Castellani, Vitali, Berchiesi and Giovannetti, 424.

Fourier transform infrared spectroscopy: See *Spectrometry, infrared*.

Fungicides: Analysis of captan in fruits by a magnetic particle based immunoassay. Colliss, 74.

G

Gas, reactor feed: Monitoring and control of reactor feed gas using a piezoelectric crystal based controller. Benmakroha, Belakroum and McCallum, 133.

Geochemical analysis: Geochemical applications of pyrolysis gas chromatography with an atomic emission detector. Rowland, Evens, Ebdon and Rees, 87.

Glow discharge analysis: Evaluation of copper powder as a conducting matrix for the glow discharge analysis of non-conductors. O'Gram, Dean and Marshall, 135.

H

- Heavy metals:** See **Metals, heavy**.
- Herbicides:** Ultraviolet absorption and luminescence spectrophotometry for the analysis of pesticide and herbicide residues and traces. Aaron, 72.
- High-performance liquid chromatography:** See **Chromatography, HPLC**.
- Holothurians:** Heavy metals in deep-sea holothurians. Moore, Roberts, Harriott and Thorburn Burns, 259.
- HPLC:** See **Chromatography, HPLC**.
- Hydrocarbons, polyaromatic:** Room-temperature phosphorescence of substituted polyaromatic hydrocarbons on modified substrates. O'Leary and Creaven, 147.
- Hydroxamic acids:** Approaches to electrode modification with hydroxamic acids. Arrigan, Glennon and Svehla, 141.
- 9-(2-Hydroxyethoxymethyl)guanine:** See **Acyclovir**. **Hydroxylamine:** Stopped-flow method for low levels of hydroxylamine in water. Abubaker, Bar, Davies and Shtewi, 426.
- Hyoscine:** Development and application of an assay procedure for hyoscine in urine using solid-phase extraction and high-performance liquid chromatography with electrochemical detection. Hurst, 39.

I

- Ibuprofen:** Extraction of ibuprofen by supercritical carbon dioxide. Khundker, Dean and Hitchen, 472.
- Image analysis:** Image analysis. Its application to the characterization of particle shape. Julian and Mills, 229. Measurement of foam bubble sizes. Mahers and Joyce, 228. Measurement of fractal dimension. Reed, 228. Microscopy of dispersions. McMahon, 227. New British Standard for the determination of particle size distribution using microscope and image analysis methods. Rood, 228. Towards national measurement accreditation service accreditation. Brocklehurst, 229.
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- IUPAC recommendations:** 2, 126, 243.

L

- Laboratory accreditation:** International guide for laboratory accreditation. Holcombe, 252.
- Laboratory information management system:** Laboratory information management systems and database management issues. McDowall, 201.
- Lasers:** Lasers and ion trap mass spectrometry. Creaser and O'Neill, 246.

- Lead:** Preconcentration methods for determination of copper, cadmium, lead and zinc in surface waters: a comparative study. Vernon and Wani, 442.
- LIMS:** See **Laboratory information management systems**.
- Liposomes:** Selective particle counting by means of affinity ligands linked to microscopically visible labels. Craston, Francis, Aojula, Clarke and Jepras, 253.
- Liver, bovine:** Matrix solid-phase dispersion linked to immunoassay techniques for the determination of clenbuterol in bovine liver samples. Boyd, Shearan, Hopkins, O'Keefe and Smyth, 156.
- Lubricants:** Surface reactivity and anti-wear additives. Landolt, Mathieu and Schumacher, 31.

M

- Membranes, semipermeable:** Analysis of dioxins and related compounds including chlorinated pesticides and PAH using semipermeable membranes. Bergqvist, Strandberg and Rappe, 404.
- Metabolism, drug:** Design and application of chiral liquid chromatography for drug metabolism studies. Furlonger, Fell and Kaye, 94.
- Metal ions:** See **Ions, metal**.
- Metals, heavy:** Comparative study of two analytical techniques for the determination of heavy metals in sediments. Al-Jundi, Mamas, Earwaker, Randle and West, 153. Heavy metals in deep-sea holothurians. Moore, Roberts, Harriott and Thorburn Burns, 259.
- Metals, trace:** Analysis of trace metals in sea-water by inductively coupled plasma mass spectrometry and related techniques. Bloxham, Hill and Worsfold, 159. Applications of trace metals analysis at ICI Specialities Research Centre. Stephen, 440.
- Microbiology:** Bringing microbiological testing under control (VAM Viewpoint), 353.
- Microelectrodes:** Characterization of polymer membranes using microelectrodes. Part 1. Diffusion-limited/size-exclusion electrodes. Farrington and Slater, 341.
- Microscopy:** Image analysis. Its application to the characterization of particle shape. Julian and Mills, 229. Light microscopy: what determines image quality? Evennett, 227. Measurement of foam bubble sizes. Mahers and Joyce, 228. Measurement of fractal dimension. Reed, 228. Microscopy of dispersions. McMahon, 227. New British Standard for the determination of particle size distribution using microscope and image analysis methods. Rood, 228.
- Microscopy, scanning tunnelling:** Application of atomic force microscopy to biology. Butt, 55. Biological applications of scanning tunnelling microscopy: integration with computational chemistry. Jackson, Davies, Melia, Tendler and Williams, 55. Scanning tunnelling microscopy of proteins. Steadman, 55. Scanning probe microscopy. Engel, 55. STM analysis of polysaccharides and peptides—molecular conformation, packing and surface ordering of biomolecules. McMaster and Morris, 55. STM of biopolymers: how does it work and what do the images mean? Lindsay, 55.
- Milk:** Particle sizing and zeta-potential measurements relative to processed milk. Horne, 492.
- Millipede:** Poisonous exudates of millipedes. Fairhurst, 429.
- Mustard gas:** Determination of organosulfur compounds and amino acid—Mustard conjugates by liquid chromatography with amperometric detection (Analytical Viewpoint). Clark, 355.

N

Near-infrared fluorescence: See **Fluorescence, near-infrared.**

Neutron activation analysis: Comparative study of two analytical techniques for the determination of heavy metals in sediments. Al-Jundi, Mamas, Earwaker, Randle and West, 153.

Nuclear magnetic resonance spectroscopy: Liquid chromatography coupled with high-field proton nuclear magnetic resonance spectroscopy: current status and future prospects. Spraul, Hofmann, Lindon, Nicholson and Wilson, 390.

O

Obituary: 215.

Oil, crude: Use of thin-layer chromatography with flame-ionization detection to assess oil upgrading during the *in situ* combustion process for enhanced oil recovery. Price, Millington and Hughes, 429.

Oligoglycines: Effects of pH and buffer concentration on the separation of oligoglycines by capillary electrophoresis. Surway, Goodall, Wren and Rowe, 477.

Organosulfur compounds: Determination of organosulfur compounds and amino acid-Mustard conjugates by liquid chromatography with amperometric detection (Analytical Viewpoint). Clark, 355.

Oxazolidines, N-oxides of: Polarographic behaviour of N-oxides of oxazolidines and their analytical application. Königstein and Steiner, 245.

P

Particle characterization: Aggregation dynamics in a model colloid-polymer mixture. Poon, Pirie, Haw and Pusey, 493.

Characterizing crystal habit and perfection: a calibration strategy. Price, 449.

Characterizing crystal habit and habit modification. Maginn, 453.

Crystallization kinetics: the role of particle characterization. Price, 451.

Crystal size and size distribution: the role of test sieving. Mullin, 455.

Particle sizing (on-line) in crystallization. Wedd, 447.

Particle breakage, abnormal growth and agglomeration during industrial crystallization. Jones, 456.

Particle sizing and zeta-potential measurements relative to processed milk. Horne, 492.

Phase-characterizing polymorphs and solvates. York, 452.

Sucrose crystal nucleation and growth. Brown, Cliffe and Grimsey, 458.

Using a crystal size distribution sensor to improve the operation and control of batch crystallizers. Singh, 495.

Particulates: Establishment of an infrastructure for the measurement of aerosols and particulates in the gas phase (VAM Viewpoint), 422.

Pathology: Immunoassays in pathology. Price, 490.

Peak purity parameter: Comparison of absorbance ratios and the peak purity parameter for the verification of peak homogeneity in high-performance liquid chromatography. Lincoln and Fell, 96.

Pentachlorophenol: Analysis of pentachlorophenol using extraction methods, derivatization and gas chromatography-mass spectrometry. Jenkins and Baugh, 441.

Peptides: STM analysis of polysaccharides and peptides—molecular conformation, packing and surface ordering of biomolecules. McMaster and Morris, 55.

Perfluorocarbons: Quantitative analysis of the pyrolysis pro-

ducts of perfluorocarbon fluids by gas chromatography and spectroscopic techniques. Karl, O'Mahoney, Cox and Roberts, 262.

Pesticides: Biosensors for the analysis of pesticide residues. Tran-Minh, 73.

Interlaboratory comparability of accuracy in residue analysis. Smart, 75.

Ultraviolet absorption and luminescence spectrophotometry for the analysis of pesticide and herbicide residues and traces. Aaron, 72.

Pharmaceutical analysis: Analytical rationalization. Goodwin, 361.

Assessment of the performance of a new protein-based phase in the chiral liquid chromatography of drugs. Banks, Fell and McDowall, 98.

Determination of dextromethorphan and its metabolites in human urine using solid-phase extraction and reversed-phase high-performance liquid chromatography. Howling and Hutchinson, 369.

Determination of total and ionic chloride and bromide in a cross-linked quaternary ammonium-substituted polymethacrylate by ion chromatography. Smith, Blackler and Waters, 372.

Development and application of an assay procedure for hyoscyne in urine using solid-phase extraction and high-performance liquid chromatography with electrochemical detection. Hurst, 39.

Development of a method for the detection of angiotensin converting enzyme inhibitors using electron capture-gas chromatography detection. Sereda, Hardman, Dilloway and Lant, 371.

Development of a capillary zone electrophoresis method for atenolol and its related impurities in a tablet preparation. Shafaati and Clark, 481.

Direct non-destructive colour measurement of pharmaceuticals. Stock, 41.

Drug and analogue structural relationships in chiral separations with mobile-phase additives. Mitchell and Clark, 101.

Enantiomeric separation of ciprofibrate and analogues using a cellulose-based chiral stationary phase. Scott, Vojvodic, Anderson and Clark, 365.

Inorganic salts as modifiers in the high-performance liquid chromatography mobile phase used to chromatograph atenolol. Bretnall and Cowen, 367.

Investigation into the reversed phase high-performance liquid chromatographic behaviour of tipredane metabolites and related substances. Euerby, Johnson and Nichols, 46.

Liquid chromatographic studies on the potential degradation of preservatives in formulated drug products. Thompson, Clark, Fell and Robinson, 106.

Optimization of the separation of anthracyclines and their metabolites using reversed-phase liquid chromatography. Nicholls, Clark and Brown, 103.

Quantitative determination of sumatriptan by capillary electrophoresis. Altria and Filbey, 363.

Studies on the use of base-deactivated and polymeric stationary phases in reversed-phase high-performance liquid chromatography of anthracyclines and their metabolites. Nicholls, Clark and Brown, 51.

Trace analysis of acyclovir esters. Ashton and Ray, 44.

Use of a radiolabelled drug substance to investigate mass balance during validation of a high-performance liquid chromatography method for impurities. Priestner, 374.

Phosphorescence: Room-temperature phosphorescence of substituted polyaromatic hydrocarbons on modified substrates. O'Leary and Creaven, 147.

Piezoelectric crystal: Monitoring and control of reactor feed gas using a piezoelectric crystal based controller. Benmakroha, Belakroum and McCallum, 133.

- Polarography:** Polarographic behaviour of *N*-oxides of oxazolines and their analytical application. Königstein and Steiner, 245.
- Pollution:** Range-resolved measurements of air pollution using lasers. Milton and Woods, 484.
- Polymer membranes:** Characterization of polymer membranes using microelectrodes. Part 1. Diffusion-limited/size-exclusion electrodes. Farrington and Slater, 341.
- Polymethacrylate resin:** Determination of total and ionic chloride and bromide in a cross-linked quaternary ammonium-substituted polymethacrylate by ion chromatography. Smith, Blackler and Waters, 372.
- Polysaccharides:** STM analysis of polysaccharides and peptides—molecular conformation, packing and surface ordering of biomolecules. McMaster and Morris, 55.
- Precision, analytical:** Appropriate precision: matching analytical precision specifications to the particular application. Ramsey, 110.
- Principle component analysis:** Principle component analysis and its use in tungsten analysis. Smith, Dean and Tomlinson, 471.
- Procaine:** Poly(vinyl chloride) matrix membrane ion-selective electrode for the analysis of procaine drug. Hamada, Moody and Thomas, 146.
- Proficiency testing:** Proficiency testing: how laboratories measure up to the competition. Walker, 257.
- Propylenediol adipate:** Analysis of an (isodecyl end-capped) propylenediol adipate polyester using coupled high-performance liquid chromatography–Fourier transform infrared spectrometry. Robertson, Farnan, Littlejohn, Brown, Dowle and Goodwin, 268.
- Proteins:** New directions in affinity chromatography. Jones, 78.
- Scanning tunnelling microscopy of proteins. Steadman, 55.
- Proton-induced X-ray emission:** Comparative study of two analytical techniques for the determination of heavy metals in sediments. Al-Jundi, Mamas, Earwaker, Randle and West, 153.
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- Publications received:** 121, 176, 285, 320, 348, 508.

Q

- QUASIMEME project:** Announcement of the QUASIMEME project. Caroli, 385.
- Quality assurance:** Interlaboratory comparability of accuracy in residue analysis. Smart, 75.

R

- Radioiodine:** See **Iodine**.
- Radium:** Factors influencing the sorption of radium onto geological materials. Baston, Berry and Linklater, 194.
- Redox reactions:** New understandings gained from chemical and electrochemical investigations of redox reactions of electron transfer metalloproteins and enzymes: relevance to voltammetric (amperometric) biosensors. Bond, 218.
- Reference materials:** Reference materials and validated methods for evaluating biocompatibility (VAM Viewpoint), 290.
- Residues, fungicide:** See **Fungicides**.
- Residues, herbicide:** See **Herbicides**.
- Residues, pesticide:** See **Pesticides**.
- Reviews, historical:** London chemists and chemistry, prior to the formation of the Chemical Society in 1841. Thorburn Burns, 334.
- Precursors to and evolution of elemental organic tube

- combustion analysis over the last two hundred years. Thorburn Burns, 272.
- Robert Boyle Valedictory Lecture:** New understandings gained from chemical and electrochemical investigations of redox reactions of electron transfer metalloproteins and enzymes: relevance to voltammetric (amperometric) biosensors. Bond, 218.
- Robotics:** Robotic system for microwave dissolution of titanium(IV) oxide. Norris, Preston and Ross, 164.
- Robotics: past, present and future. Crook, 165.
- Royal Society of Chemistry Sponsored Awards 1992:** Analytical separation methods—K. D. Bartle, 323.
- Chemical analysis and instrumentation—M. Comisarow, 323.
- Inorganic biochemistry—P. J. Sadler, 323.
- Spectroscopy—A. J. McCaffery, 323.
- RSC Honorary Fellowship:** Conferred on E. Pungor, 386.

S

- SAC 92:** Reflections of SAC 92. Green, 65.
- Sampling:** Validation of sampling strategies (VAM Viewpoint), 214.
- Scanning tunnelling microscopy:** See **Microscopy, scanning tunnelling**.
- Sea-water:** See **Water**.
- Sensors, electrode:** Approaches to electrode modification with hydroxamic acids. Arrigan, Glennon and Svehla, 141.
- Evaluation of calixarene-based ionophores for silver sensors. O'Connor, Svehla, Harris and McKervey, 137.
- SERS:** See **Spectroscopy, Raman**.
- Silver:** Evaluation of calixarene-based ionophores for silver sensors. O'Connor, Svehla, Harris and McKervey, 137.
- Smuggling:** Smuggling and separation. Gough, 251.
- Sodium hydrogencarbonate:** Ion chromatographic analysis of acetate and formate ions produced by sonolysis of aqueous saturated solutions of sodium hydrogencarbonate (Analytical Viewpoint). Castellani, Vitali, Berchiesi and Giovannetti, 424.
- Soil:** Modelling of cation binding by natural organic matter in soils and waters. Tipping, 186.
- Solvents, halogenated:** The banning of halogenated solvents—implications for valid analytical measurement (VAM Viewpoint), 321.
- Sonolysis:** Ion chromatographic analysis of acetate and formate ions produced by sonolysis of aqueous saturated solutions of sodium hydrogencarbonate (Analytical Viewpoint). Castellani, Vitali, Berchiesi and Giovannetti, 424.
- Spectra, infrared:** Interrogative expert system to interpret infrared spectra using expert system shell. Jin, Adams and Sumiga, 169.
- Spectrofluorimetry:** Selective particle counting by means of affinity ligands linked to microscopically visible labels. Craston, Francis, Aojula, Clarke and Jepras, 253.
- Spectrometry, atomic:** Instrumentation for wavelength scanning in atomic spectrometry. McNeill, Lynch, Barnard and Marshall, 401.
- Appropriate precision: matching analytical precision specifications to the particular application. Ramsey, 110.
- Spectrometry, fluorescence:** Cavity walls in solution: new reagents for luminescence trace analyses in aqueous media? Ebdon, Lucas, Soutar and Swanson, 431.
- Spectrometry, infrared:** Advantages of combined gas chromatography–mass spectrometry–matrix isolation Fourier transform infrared analysis. Jackson, 394.
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- Fourier transform infrared reflection spectroscopy for surface analysis. Yarwood, 13.
- Quantitative analysis of the pyrolysis products of perfluorocarbon fluids by gas chromatography and spectroscopic techniques. Karl, O'Mahoney, Cox and Roberts, 262.
- Spectrometry, mass:** Advantages of combined gas chromatography-mass spectrometry-matrix isolation Fourier transform infrared analysis. Jackson, 394.
- Analysis of trace metals in sea-water by inductively coupled plasma mass spectrometry and related techniques. Bloxham, Hill and Worsfold, 159.
- Analysis of pentachlorophenol using extraction methods, derivatization and gas chromatography-mass spectrometry. Jenkins and Baugh, 441.
- Determination of residues of the insecticide diflubenzuron in foodstuffs using liquid chromatography-thermospray mass spectrometry and identification of some natural components found in chillies. Wilkins, 396.
- Element specific chromatographic detection for trace inorganic analysis. Uden, 405.
- Evaluation of capillary electrophoresis: continuous flow fast atom bombardment interfaces. Tetler and Cooper, 397.
- Isotope dilution mass spectrometry as a primary method of analysis. De Bièvre, 328.
- Lasers and ion trap mass spectrometry. Creaser and O'Neill, 246.
- Quantitative analysis of the pyrolysis products of perfluorocarbon fluids by gas chromatography and spectroscopic techniques. Karl, O'Mahoney, Cox and Roberts, 262.
- Recent advances and applications of thin-layer chromatography and tandem mass spectrometry. Morden and Wilson, 392.
- Spectrometry, phosphorescence:** Cavity walls in solution: new reagents for luminescence trace analyses in aqueous media? Ebdon, Lucas, Soutar and Swanson, 431.
- Investigation into room temperature phosphorescence of aromatic compounds adsorbed on a number of 1% polyacrylic acid-alkali salt surfaces. O'Leary, O'Regan and Creaven, 475.
- Spectrophotometry, UV absorption:** Ultraviolet absorption and luminescence spectrophotometry for the analysis of pesticide and herbicide residues and traces. Aaron, 72.
- Spectroscopy, Raman:** Surface-enhanced Raman spectroscopy. Creighton, 28.
- Spectroscopy:** Biomolecular photoabsorption spectroscopy. Andrews, 244.
- ICI's spectroscopic data system. Hearmon, 199.
- Spectral databases: a review. Warr, 200.
- Statistical methods:** The use of statistical methods in industrial chemistry (VAM Viewpoint), 1.
- STM:** See **Microscopy, scanning tunnelling**.
- Sucrose:** Sucrose crystal nucleation and growth. Brown, Cliffe and Grimsey, 458.
- Sulfadimidine:** Analysis of sulfadimidine in medicated animal feeds. Barwick, Warwick and Crosby, 233.
- Sulfur:** The Sievers SCD 350 detector. Dyson, 79.
- Sumatriptan:** Quantitative determination of sumatriptan by capillary electrophoresis. Altria and Filbey, 363.
- Surface analysis:** Fourier transform infrared reflection spectroscopy for surface analysis. Yarwood, 13.
- Surface reactivity and anti-wear additives. Landolt, Mathieu and Schumacher, 31.
- Surface analysis in an industrial environment. Wild, 19.
- Surface analysis and adhesive bonding. Comyn, 27.
- Surface-enhanced Raman spectroscopy. Creighton, 28.
- Surface-enhanced Raman spectroscopy:** See **Spectroscopy, Raman**.
- Surfactants:** Analysis of non-ionic surfactants using solid-phase extraction combined with supercritical fluid extraction and chromatography. Kane, Dean, Hitchen, Dowe and Tranter, 399.
- T**
- Tamoxifen:** Methods for liquid chromatographic analysis of tamoxifen, tamoxifen metabolites and their geometric isomers in biological samples. Manns, Hanks, Brown and Double, 161.
- Tipredane:** Investigation into the reversed phase high-performance liquid chromatographic behaviour of tipredane metabolites and related substances. Euerby, Johnson and Nichols, 46.
- Titanium oxide:** Robotic system for microwave dissolution of titanium(IV) oxide. Norris, Preston and Ross, 164.
- Tristimulus colour:** Direct non-destructive colour measurement of pharmaceuticals. Stock, 41.
- Tube combustion:** Precursors to and evolution of elemental organic tube combustion analysis over the last two hundred years. Thorburn Burns, 272.
- Tungsten:** Principal component analysis and its use in tungsten analysis. Smith, Dean and Tomlinson, 471.
- U**
- Uncertainty:** Converging on uncertainty (VAM Viewpoint), 469.
- Measurement uncertainty in chemical analysis. Williams, 248.
- Urine:** See also **Biological fluids**.
- Determination of dextromethorphan and its metabolites in human urine using solid-phase extraction and reversed-phase high-performance liquid chromatography. Howling and Hutchinson, 369.
- V**
- VAM Viewpoint:** Analytical chemistry and the 21st century, 242.
- Assessing the proficiency of analytical laboratories, 125.
- Bringing microbiological testing under control, 353.
- Converging on uncertainty, 469.
- Education and training of analytical chemists, 181.
- Establishment of an infrastructure for the measurement of aerosols and particulates in the gas phase, 422.
- EURACHEM workshop on comparability and traceability. Walker, 67.
- Reference materials and validated methods for evaluating biocompatibility, 290.
- The banning of halogenated solvents—implications for valid analytical measurement, 321.
- Trace analysis: what does it mean?, 388.
- The use of statistical methods in industrial chemistry, 1.
- Validation of sampling strategies, 214.
- Vitamins, K1, K2, K3:** Determination of vitamins K1, K2(MK-4) and K3 in animal feeds by high-performance liquid chromatography. White, 266.
- W**
- Waste analysis:** The who, what, why and how of waste analysis. Tytler and Tully, 69.
- Waste, radioactive:** Chemistry (and physics) of radionuclide migration through the geosphere. Warwick and Hall, 192.
- Developments on wasteform specifications for low-level waste disposal at the British Nuclear Fuels Drigg site. Grimwood and Higson, 195.
- Durability of cement. Damidot and Glasser, 191.
- Factors influencing the sorption of radium onto geological materials. Baston, Berry and Linklater, 194.
- Soil and sediment chemistry of the transuranic elements. Livens and Hursthouse, 196.

- Use of zeolites in the treatment of nuclear waste. Dyer, 190.
- Water:** Analysis of trace metals in sea-water by inductively coupled plasma mass spectrometry and related techniques. Bloxham, Hill and Worsfold, 159.
- Kinetic method for the determination of trace amounts of copper(II) ion in boiler water. Abubaker, Bark, Davies and Shtewi, 426.
- Modelling of cation binding by natural organic matter in soils and waters. Tipping, 186.
- Pinks and blues. Atkinson, 433.
- Preconcentration methods for determination of copper, cadmium, lead and zinc in surface waters: a comparative study. Vernon and Wani, 442.
- Stopped-flow method for low levels of hydroxylamine in water. Abubaker, Bark, Davies and Shtewi, 426.

Wavelength scanning: Instrumentation for wavelength scanning in atomic spectrometry. McNeill, Lynch, Barnard and Marshall, 401.

Z

- Zeolites:** Trace elements in natural zeolites. Dyer, Zaafarany and Gilmore, 445.
- Zeta potential:** Particle sizing and zeta-potential measurements relative to processed milk. Horne, 492.
- Recent developments in the measurement of zeta potential. Connah, 496.
- Zinc:** Preconcentration methods for determination of copper, cadmium, lead and zinc in surface waters: a comparative study. Vernon and Wani, 442.